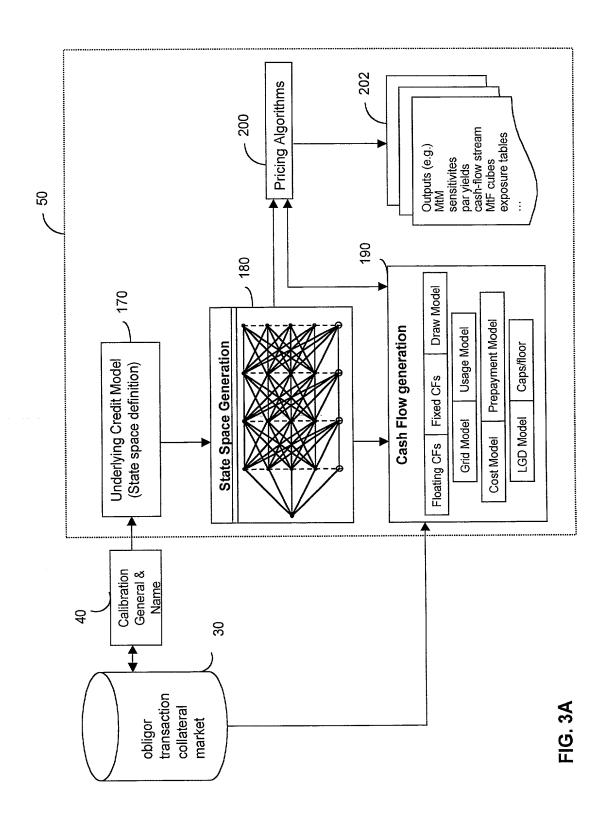
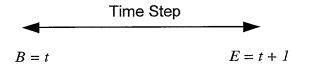


FIG. 2B





## Cash flows in advance

If borrower prepays

Principal outstanding (AC)

Prepayment fee (CF<sub>PP</sub>)

Otherwise

Interest (CF<sub>I</sub>)

Principal amortization (CF<sub>P</sub>)

## Cash flows in arrears

If borrower prepays
0
Otherwise
Interest (CF<sub>I</sub>)
Principal amortization (CF<sub>P</sub>)

FIG. 3B

Time Step
$$B = t E = t + I$$

## Cash flows in advance

Upfront fee (only if t=0) (CF<sub>UF</sub>)

If borrower prepays

Term Loan Outstanding (OS<sub>TL</sub>)

Prepayment fee (CF<sub>PP</sub>)

Otherwise

Facility fee (CF<sub>FF</sub>)

BA fee (CF<sub>BA</sub>)
(Operating costs) (-CF<sub>C</sub>)
(Revolver draw) (-OS<sub>RV</sub>)

LC fee (CF<sub>LC</sub>)

FIG. 3C

## Cash flows in arrears

If borrower prepays
0
Otherwise

Interest (CF<sub>I</sub>)

Term loan

Amortization (CF<sub>P</sub>)

Revolver draw

Repay (OS<sub>RV</sub>)

Commitment fee (CF<sub>CF</sub>)

Utilization fee (CF<sub>UT</sub>)

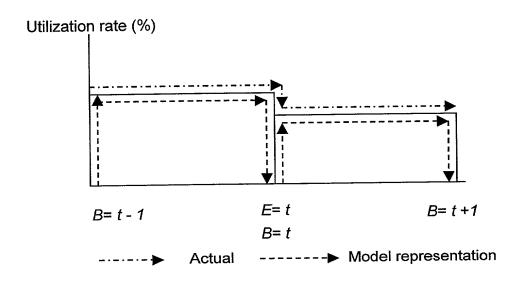


FIG. 3D

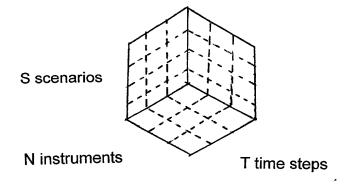


FIG. 4A

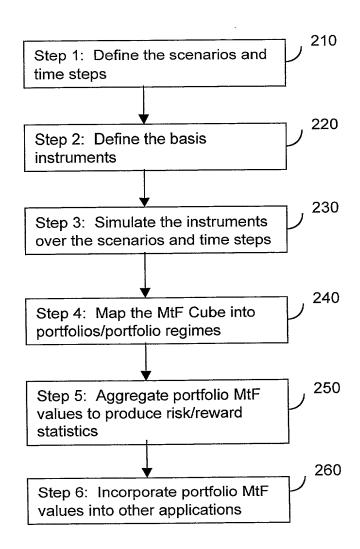


FIG. 4B

and the largest and the state of the state o